

NOTES:

**SHEET NOTES:**

- A. SEE SHEETS ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.
- B. COORDINATE THE LOCATION OF NEW DUCT BANKS AND MANHOLES WITH EXISTING UNDERGROUND UTILITIES. DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK FOR THE NEW DUCT BANKS. ADJUST THE FINAL LOCATION OF DUCT BANKS AND MANHOLES AS REQUIRED FOR COORDINATION. WHERE DUCT BANKS ARE LOCATED WITHIN ROADWAYS, COORDINATE LANE CLOSURES WITH THE CONTRACTING OFFICER.

KEY NOTES (00)

- 1 SCE 1800KVAR CAPACITOR AND CONCRETE PAD. COORDINATE EXACT LOCATION WITH SCE. CAPACITOR AND PAD PROVIDED BY SCE, FUNDED BY PROJECT.
- 2 CAP CONDUITS FOR FUTURE USE.



US Army Corps  
of Engineers

Sacramento District

[illegible]

<b>ELLERBE BUCKET</b> <small>A JUNIT VENTURES COMPANY</small> <b>RUF</b>		<b>DESIGNED BY:</b> R.U.F.		<b>DATE:</b> 02/03/2002, 2:11	
<b>DEPARTMENT OF THE ARMY</b> <b>CORPS OF ENGINEERS</b> <b>SACRAMENTO, CALIFORNIA</b>		<b>DRAWN BY:</b> R.U.F.		<b>DESIGN FILE NO.:</b> 23-25-021	
		<b>SPEC NO.:</b> 1196			
		<b>REVIEWED BY:</b> R.U.F.		<b>DRAWING CODE:</b>	
<b>145 Lincoln Avenue</b> <b>Winter Park, Florida 32789</b> <b>Telephone: (407) 291-4000</b>		<b>SUBMITTED BY:</b> R.O.W. LOWRY		<b>FILE NAME:</b> 021-2509 <b>PLT DATE:</b> 02/28/02	
				<b>DWG. NO.:</b> 1-100	

# FORT IRWIN HOSPITAL REPLACEMENT ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES109**

MEET 1585 OF 1985

BUL-03 Revision 1

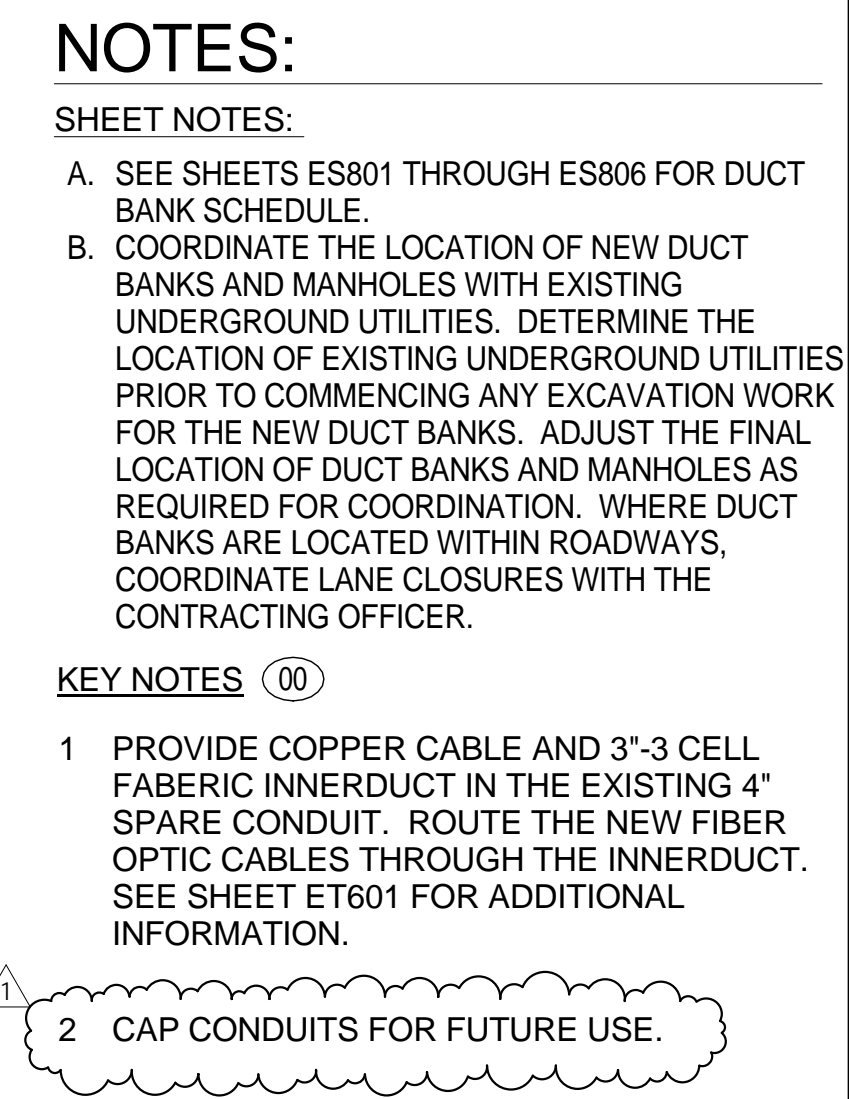
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Turner DC #029 PCO #104  
Received by Turner Construction via RFP 013 2/26/14







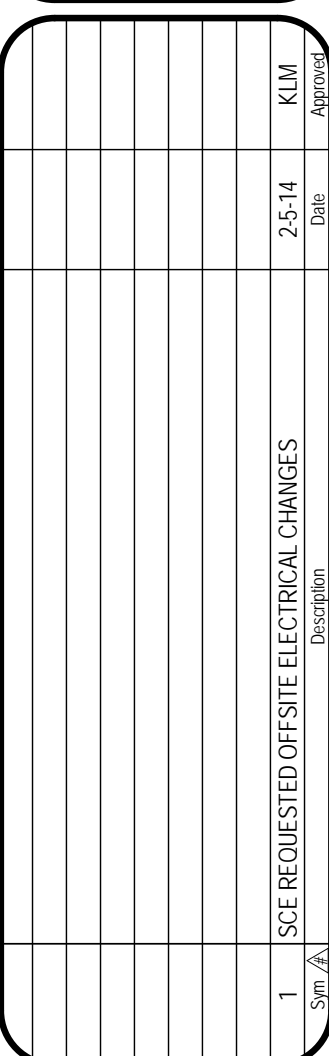



SHEET NOTES:

- A. SEE SCHEDULES ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.
- B. COORDINATE THE LOCATION OF NEW DUCT BANKS AND MANHOLES WITH EXISTING UNDERGROUND UTILITIES. DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK FOR THE NEW DUCT BANKS. ADJUST THE FINAL LOCATION OF DUCT BANKS AND MANHOLES AS REQUIRED FOR COORDINATION. WHERE DUCT BANKS ARE LOCATED WITHIN ROADWAYS, COORDINATE LANE CLOSURES WITH THE CONTRACTING OFFICER.

KEY NOTES (00)

- 1 PROVIDE COPPER CABLE AND 3"-3 CELL FABRIC INNERDUCT IN THE EXISTING 4" SPARE CONDUIT. ROUTE THE NEW FIBER OPTIC CABLES THROUGH THE INNERDUCT. SEE SHEET ET601 FOR ADDITIONAL INFORMATION.
- 2 CAP CONDUITS FOR FUTURE USE.

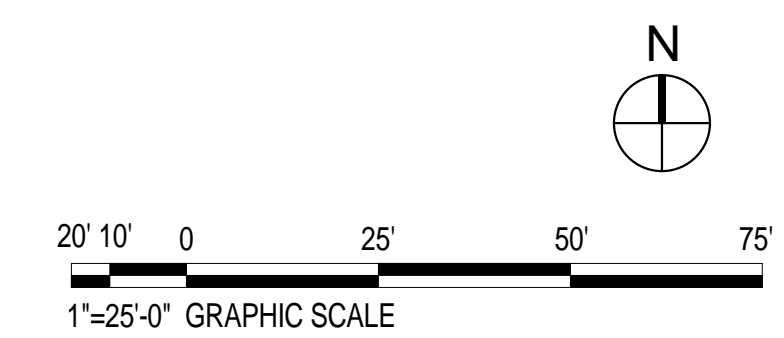


DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA		 A JOINT VENTURE 145 L Street, Suite 1000 Sacramento, CA 95811 Phone: (916) 498-3799 Fax: (916) 498-3800 Web: www.rlfc.com 407.647.1039		Designed by: R/LJ	Date: 02 DECEMBER, 2011	Rev.
Drawn by: R/LJ		Spec No. 1198	Design file no. 228-0-5261			
Reviewed by: K/LJ		Drawing Code 228-0-5261				
Submitted by: R/LJ, K/LJ		File name: 521_1313 Proj scale: 1:30				

FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES113**  
SHEET 1589 OF 1985



IF SHEET MEASURES LESS THAN 22" X 34" IT IS A  
REDUCED PRINT. REDUCE SCALE ACCORDINGLY

BUJ -03 Revision 1

PRICING ONLY

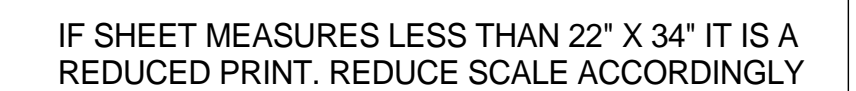
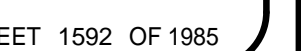
Turner DC #029 PCO #104  
Received by Turner Construction via RFP 013 2/26/14



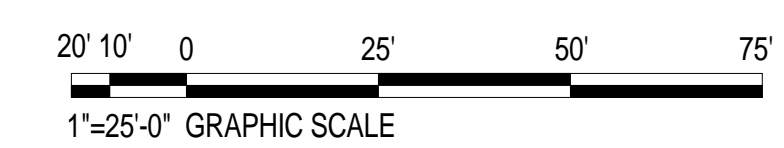




2 CAP CONDUITS FOR FUTURE USE.







# NOTES:

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SHEET NOTES:

- A. SEE SHEETS ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.
- B. COORDINATE THE LOCATION OF NEW DUCT BANKS AND MANHOLES WITH EXISTING UNDERGROUND UTILITIES. DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK FOR THE NEW DUCT BANK. ADJUST THE FINAL LOCATION OF DUCT BANKS AND MANHOLES AS REQUIRED FOR COORDINATION. WHERE DUCT BANKS ARE LOCATED WITHIN ROADWAYS, COORDINATE L CLOSURES WITH THE CONTRACTING OFFICER.

**KEY NOTES** (00)

1 UTILIZE EXISTING SPARE 1 1/4" INNERDUCT TO ROUTE FIBER OPTIC AND COPPER CABLES. SEE SHEET ET601 FOR ADDITIONAL INFORMATION.

2 CAP CONDUITS FOR FUTURE USE.

Sheet  
Reference  
Number  
**ES118**  
SHEET 1594 OF 1985









NOTES:

SHEET NOTES:

- A. SEE SHEETS ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.
- B. COORDINATE THE LOCATION OF NEW DUCT BANKS AND MANHOLES WITH EXISTING UNDERGROUND UTILITIES. DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK FOR THE NEW DUCT BANKS. ADJUST THE FINAL LOCATION OF DUCT BANKS AND MANHOLES AS REQUIRED FOR COORDINATION. WHERE DUCT BANKS ARE LOCATED WITHIN ROADWAYS, COORDINATE LANE CLOSURES WITH THE CONTRACTING OFFICER.

## KEY NOTES 00

- 1 EXISTING SCE PRIMARY POWER MANHOLE.
- 2 EXISTING SCE PRIMARY POWER DUCT BANK.
- 3 CONNECT TO EXISTING SCE PRIMARY POWER DUCT BANK. COORDINATE ALL WORK AT CONNECTION POINT WITH SCE.
- 4 CAP CONDUITS FOR FUTURE USE.



US Army Corps  
of Engineers

Sacramento District

	KIM
25,14	

[illegible]

02 DECEMBER, 2011	<p><b>Design file no:</b>          039-ZS-0021</p> <p><b>Drawing Code:</b></p> <p><b>File name:</b> IS21 - ES10  <b>Print date:</b></p>
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RLW	Spec No: 1786	
Drawn by: RLW		
Reviewed by: KLM		
	Submitted by:	

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SACRAMENTO, CALIFORNIA

**ELLERBE BECKETT**

**ERL**

A JOINT VENTURE

145 Lincoln Avenue  
Winter Park, Florida 32789

1001 G Street NW, Ste 1000  
Washington, DC 20001

FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES120**

SHEET 1596 OF 1985

N

20' 10' 0 25' 50' 75'

1"=25'-0" GRAPHIC SCALE

IF SHEET MEASURES LESS THAN 22" X 34" IT IS A  
REDUCED PRINT. REDUCE SCALE ACCORDINGLY

PRICING ONLY

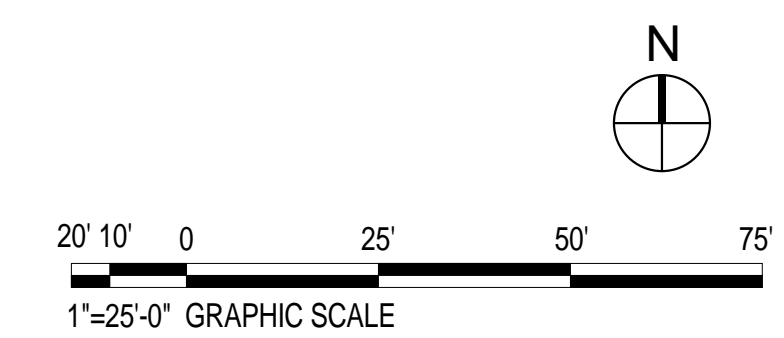
Turner DC #029 PCO #104  
Received by Turner Construction via RFP 013 2/26/14

BUJ -03 Revision 1









# NOTES:

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## SHEET NOTES:

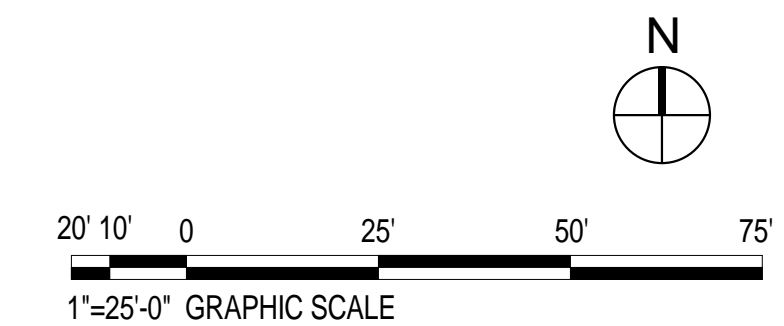
- A. SEE SHEETS ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.
- B. COORDINATE THE LOCATION OF NEW DUCT BANKS AND MANHOLES WITH EXISTING UNDERGROUND UTILITIES. DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK FOR THE NEW DUCT BANKS. ADJUST THE FINAL LOCATION OF DUCT BANKS AND MANHOLES AS REQUIRED FOR COORDINATION. WHERE DUCT BANKS ARE LOCATED WITHIN ROADWAYS, COORDINATE L CLOSURES WITH THE CONTRACTING OFFICER.

## KEY NOTES (00)

- 1 PROVIDE COPPER CABLE AND 3"-3 CELL FABRIC INNERDUCT IN THE EXISTING 4" SPARE CONDUIT. ROUTE THE NEW FIBER OPTIC CABLES THROUGH THE INNERDUCT. SEE SHEET ET601 FOR ADDITIONAL INFORMATION.

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NOTES:

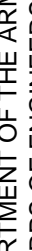
SHEET NOTES:

- A. SEE SHEETS ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.
- B. COORDINATE THE LOCATION OF NEW DUCT BANKS AND MANHOLES WITH EXISTING UNDERGROUND UTILITIES. DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK FOR THE NEW DUCT BANKS. ADJUST THE FINAL LOCATION OF DUCT BANKS AND MANHOLES AS REQUIRED FOR COORDINATION. WHERE DUCT BANKS ARE LOCATED WITHIN ROADWAYS, COORDINATE LANE CLOSURES WITH THE CONTRACTING OFFICER.

KEY NOTES (00)

- 1 PROVIDE 3"-3 CELL FABRIC INNERDUCT IN THE EXISTING 4" SPARE CONDUIT. ROUTE THE NEW FIBER OPTIC CABLES THROUGH THE INNERDUCT. SEE SHEET ET601 FOR ADDITIONAL INFORMATION.
- 2 MANHOLE CONTAINING EXISTING 200 PIAR COPPER CABLE DEDICATED TO SERVE THE REPLACEMENT HOSPITAL. SPLICE NEW 200 PIAR COPPER CABLE TO EXISTING CABLE IN THIS MANHOLE. SEE ET601 FOR ADDITIONAL INFORMATION.
- 3 PROVIDE COPPER CABLE AND 3"-3 CELL FABRIC INNERDUCT IN THE EXISTING 4" SPARE CONDUIT. ROUTE THE NEW FIBER OPTIC CABLES THROUGH THE INNERDUCT. SEE SHEET ET601 FOR ADDITIONAL INFORMATION.
- 4 EXTEND FIBER OPTIC CABLE TO EXISTING RACK IN BUILDING 147 AND PROVIDE PATCH PANEL AND TERMINATIONS AS INDICATED ON SHEET ET601. COORDINATE WITH FT. IRWIN NEC.

[illegible]

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA	 <b>ELLERBE BECKETT</b> <b>RFL</b> A JOINT VENTURE	Designed by:	Date:	Rev.
		R/J	14 FEBRUARY 2011	
		Drawn by:	Spec No:	Design file no:
		R/J	1188	226-5-521
		Reviewed by:	Drawing Code:	
		K/J		
		Submitted by:	File name:	Plot date:
		SOWAL/DAEY	161_12133	Draw scale: 3/8"
				Draw scale: 3/8"

FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

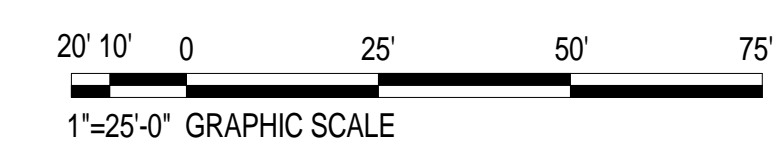
Sheet  
Reference  
Number  
**ES123**

SHEET 1599 OF 1985

BUL-03 Revision 1

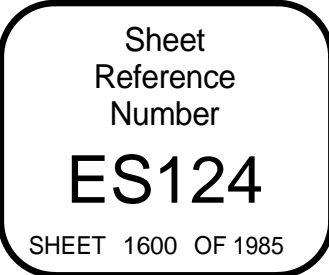
PRICING ONLY

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IF SHEET MEASURES LESS THAN 22" X 34" IT IS  
REDUCED PRINT. REDUCE SCALE ACCORDINGLY

1 PROVIDE 3"-3 CELL FABRIC INNERDUCT IN THE EXISTING 4" SPARE CONDUIT. ROUTE THE NEW FIBER OPTIC CABLES THROUGH THE INNERDUCT. SEE SHEET ET601 FOR ADDITIONAL INFORMATION.





1



SHEET NOTES:

- A. SEE SHEETS ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.
- B. COORDINATE THE LOCATION OF NEW DUCT BANKS AND MANHOLES WITH EXISTING UNDERGROUND UTILITIES. DETERMINE THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING ANY EXCAVATION WORK FOR THE NEW DUCT BANKS. ADJUST THE FINAL LOCATION OF DUCT BANKS AND MANHOLES AS REQUIRED FOR COORDINATION. WHERE DUCT BANKS ARE LOCATED WITHIN ROADWAYS, COORDINATE LANE CLOSURES WITH THE CONTRACTING OFFICER.

[illegible]

<p><b>ELLERBE BRACKET</b></p> <p><b>RUF</b></p> <p><b>DEPARTMENT OF THE ARMY</b></p> <p><b>CORPS OF ENGINEERS</b></p> <p><b>SACRAMENTO, CALIFORNIA</b></p>	<p><b>Rev.</b></p> <p><b>Date:</b> 02 DECEMBER, 2011</p> <p><b>Design file no:</b> 230-25-021</p> <p><b>Spec No:</b> 118</p> <p><b>Drawn by:</b> RUF</p> <p><b>Reviewed by:</b> RUF</p> <p><b>Drawing Code:</b></p> <p><b>Submitted by:</b> RUF</p> <p><b>File name:</b> ES125 <b>Plot file:</b> ES125</p>
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CALIFORNIA

PORT IRWIN  
CALIFOR  
PORT IRWIN HOSPITAL REPLEMMENT

# IRWIN HOSPITAL REPLACEMENT ELECTRICAL SITE UTILITY PLAN

FORT IRWIN

Sheet  
Reference  
Number

SHEET 1601 OF 1985

BUL-03 Revision 1

**ES124**

**ES126**

20' 10' 0 25' 50' 7  
1"=25'-0" GRAPHIC SCALE

IF SHEET MEASURES LESS THAN 22" X 34" IT IS A  
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Turner DC #029 PCO #104  
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BUL-03 Revision 1

[illegible]

SHEET NOTES:

- 

[illegible]

<b>ELLERBE BECKETT</b>  ARCHITECTS		Drawn by: <b>SAJ</b> Checked by: <b>SAJ</b> Date: <b>08-22-2011</b>		Spec No: <b>1106</b> Date: <b>08-22-2011</b>		Design file no: <b>08-22-2011</b> Date: <b>08-22-2011</b>		REV: <b>08-22-2011</b>	
<b>DEPARTMENT OF THE ARMY</b> <b>CORPS OF ENGINEERS</b> <b>SACRAMENTO, CALIFORNIA</b>		Reviewed by: <b>SAJ</b> Date: <b>08-22-2011</b>		Drawing Code: <b>SAJ</b> Date: <b>08-22-2011</b>		File name: <b>081-15249</b> User: <b>SAJ\J. LOWERY</b> Days scale: <b>1:300</b>			

FORT IRWIN CALIFORNIA  
FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES126**  
SHEET 1602 OF 1985

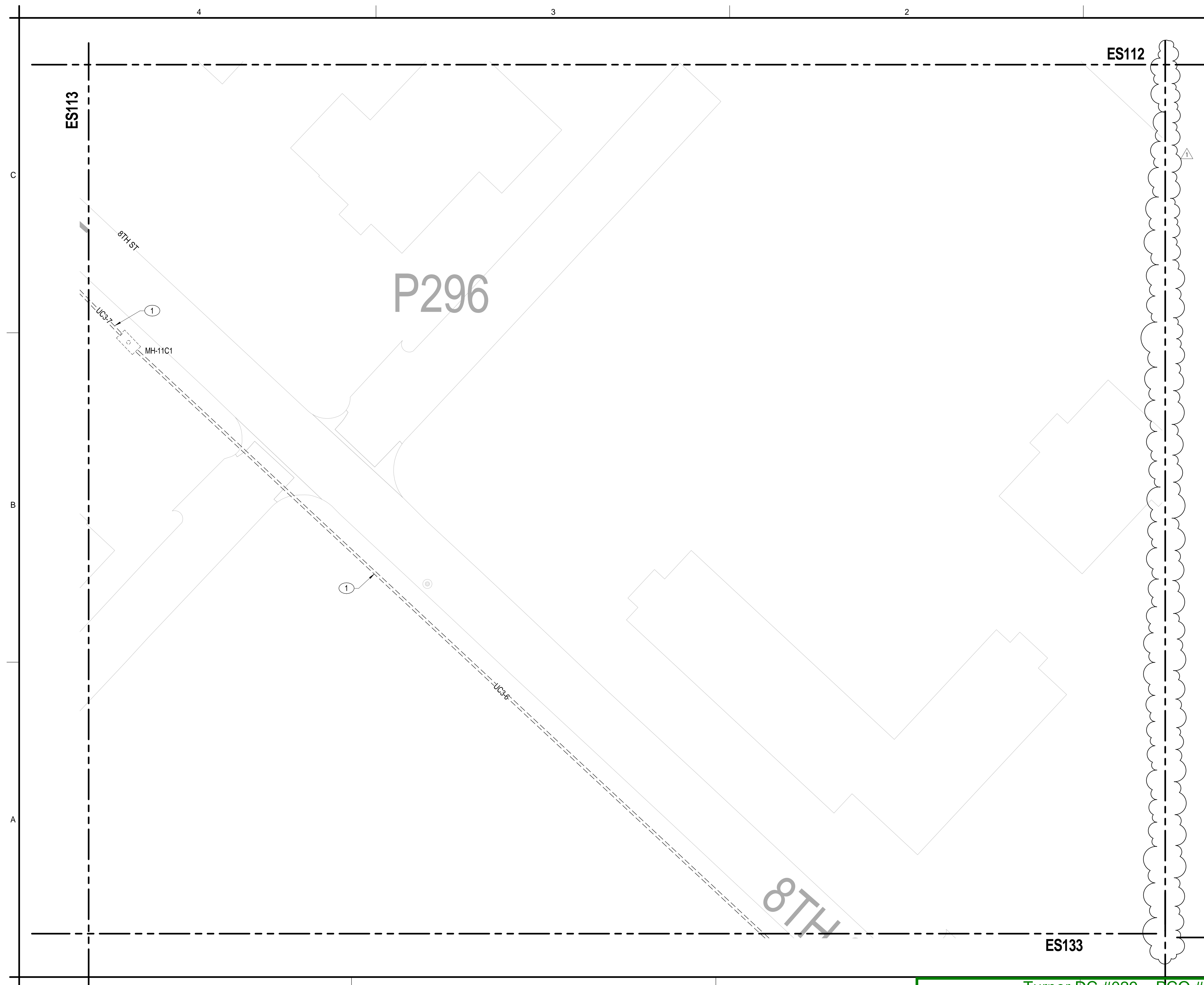
BUL-03 Revision 1

PRICING ONLY

Turner DC #029 PCO #104  
Received by Turner Construction via RFP 013 2/26/14

BUL-03 Revision 1





NOTES:

SHEET NOTES:

A. SEE SHEETS ES801 THROUGH ES806 FOR DUCT BANK SCHEDULE.

KEY NOTES (00)


1 UTILIZE EXISTING SPARE 1 1/4" INNERDUCT TO ROUTE FIBER OPTIC CABLE. SEE SHEET ET601 FOR ADDITIONAL INFORMATION.



US Army Corps  
of Engineers

Sacramento District

1	SCE REQUESTED OFF-SITE ELECTRICAL CHANGES	2.5-14	K14
	Sum A	Discrepancy	Approved

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA		1405 Lincoln Avenue Sacramento, CA 95811-3719 916/437-6747		1001 E Street NW, Ste 1000 Washington, DC 20003-3719 202/545-5500	DATE: 12 October 2011 DRAWING: 1300	REV.
		407 647 1338		202/545-5500	File name: 831-ES12 ROWAY LOWRY Dwg scale: 1:30	Design file no.: 239-25-621
ELLERBE BECKETT		Drawn by: R/LM	Spec No.: 1186	Reviewed by: null	Drawing Code:	Submitted by: ROWAY LOWRY

MENT

**FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN**

FORT

Sheet  
Reference  
Number

ES132

BUL-03 Revision 1

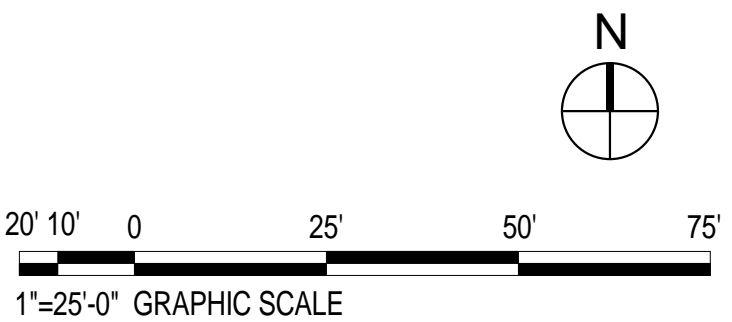
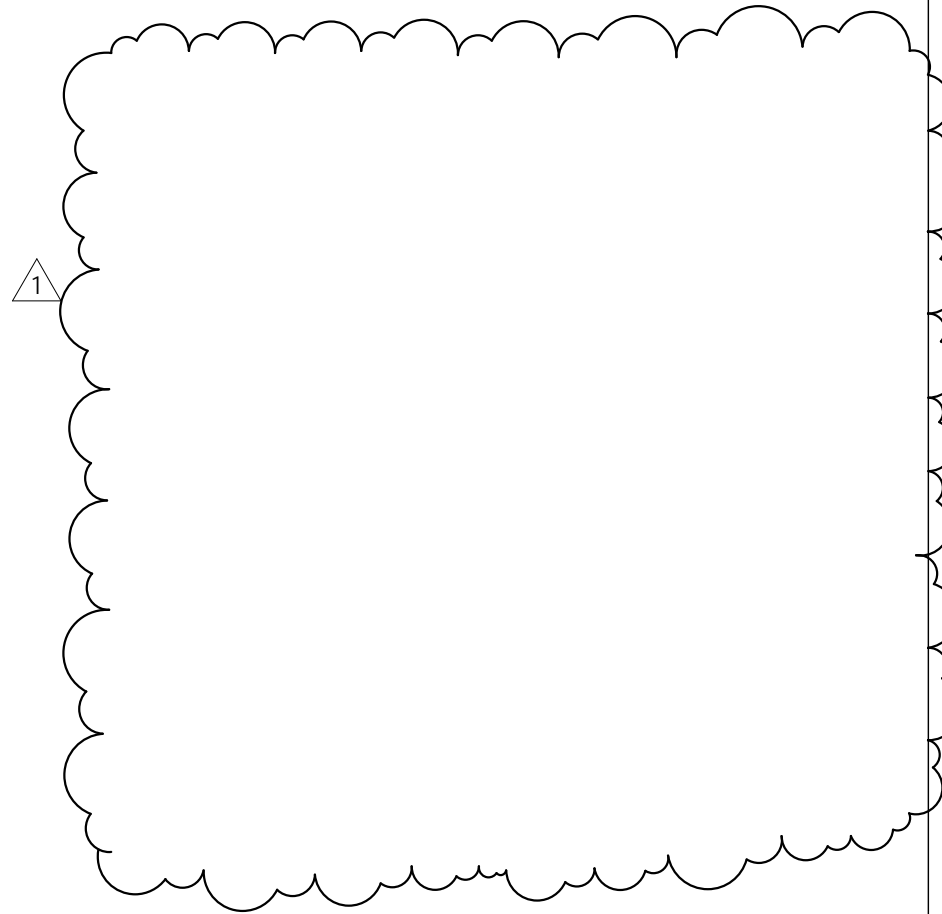
PRICING ONLY

Turner DC #029 PCO #104  
Received by Turner Construction via RFP 013 2/26/14





The site plan shows a residential development with two main subdivisions: 'LITTLE' and 'BIG'. The 'LITTLE' subdivision is located in the upper left and center, while the 'BIG' subdivision is in the lower right. The plan includes several streets: ES135 on the left, ES121 on the right, and a central street labeled 'LITTLE'. A creek, labeled 'CREEK', flows through the center of the site. The plan also shows various lots, some of which are numbered (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100). A scale bar indicates 20' 10' and 1"=25'-0".



IF SHEET MEASURES LESS THAN 22" X 34" IT IS ,  
REDUCED PRINT. REDUCE SCALE ACCORDINGL



US Army Corps  
of Engineers  
Sacramento District

[illegible]

<b>DEPARTMENT OF THE ARMY</b> <b>CORPS OF ENGINEERS</b> <b>SACRAMENTO, CALIFORNIA</b>		<b>ELLERBE BECKETT</b> <b>A JOINT VENTURE</b> <b>1501 UNIVERSITY AVENUE</b> <b>WASHINGTON, DC 20004</b> <b>202-544-8000</b>		Date: 02 DEC 2008, 2011	Row:
Designed by: S.U.I.	Spec No: 1196	Design the no: 258-2581			
Drawn by: S.U.I.	Reviewed by: K.U.I.	Drawing Code:			
Submitted by: SAKVA COMPANY		File name: 258_12314 Plot date: Draw scale: 1:300			

FORT IRWIN CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

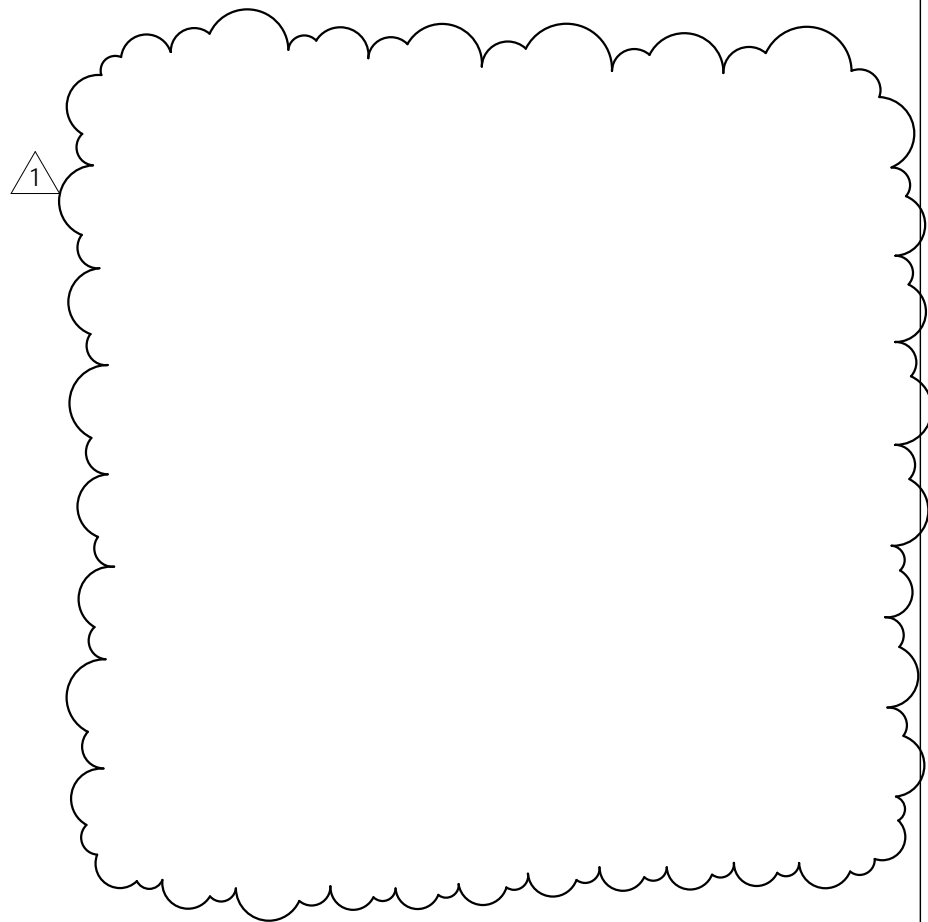
Sheet  
Reference  
Number  
**ES134**  
SHEET 1610 OF 1985

BUL-03 Revision 1


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Received by Turner Construction via RFP 013 2/26/14

The site plan illustrates a residential development with several streets and lots. The main street is labeled "BURG ST". A proposed road layout is shown with a dashed line and a scalloped boundary. The plan includes lot numbers 1, 2, 3, and 4, and street names A, B, and C. A north arrow is located in the top right corner. A scale bar indicates 20' 10" and 1"=25'-0". The text "IF SHEET REDUCED" is visible in the bottom right corner.



	Description	Date	KLM Approval
1	SCE REQUESTED OFFSITE ELECTRICAL CHANGES	2-5-14	KLM
	Sum A		Approved

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA		 ELLERBE BECKETT A JOINT VENTURE		1401 University Parkway, Box 1000 Sacramento, CA 95833 (916) 442-2200 407 8471 1039	
Designed by:	R/L/I	Date:	02 OCT 1988, 2011	Drawn by:	R/L/I
Spec No:	1786	Design file no:	2382-5671	Reviewed by:	R/L/I
		Drawing Code:		Submitted by:	JOHN LOWERY
		File name:	ELL 1515	Plot date:	
		Dwg scale:	1 : 300		

FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES135**  
SHEET 1611 OF 1985

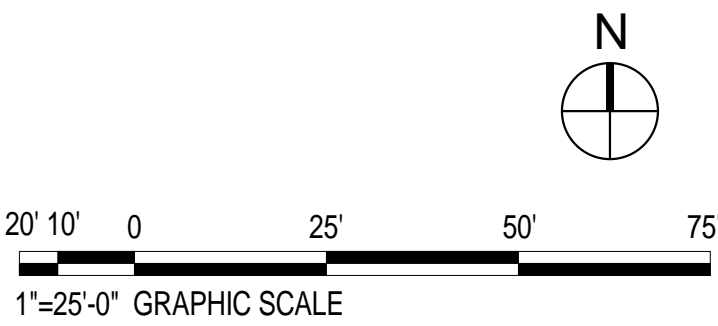
BUL-03 Revision 1

IF SHEET MEASURES LESS THAN 22" X 34" IT IS A  
REDUCED PRINT. REDUCE SCALE ACCORDINGLY.

PRICING ONLY

Turner DC #029 PCO #104  
Received by Turner Construction via RFP 013 2/26/14





IF SHEET MEASURES LESS THAN 22" X 34" IT IS A  
REDUCED PRINT. REDUCE SCALE ACCORDINGLY

[illegible]

<b>ELLERBE BECKETT</b> A JOINT VENTURE 145 Lincoln Avenue, Suite 2100 San Francisco, California 94102 415/774-0200 Fax 415/774-0204		<b>DEPARTMENT OF THE ARMY</b> <b>CORPS OF ENGINEERS</b> SACRAMENTO, CALIFORNIA		Drawn by: _____ Checked by: _____ Reviewed by: _____ Submitted by: _____ Date: _____	Date: 06 DECEMBER, 2011 Design file no.: 23822-S&C Spec No.: 1176 Drawing Code: KLM File name: 23822-13136 Plot name: 23822-13136 Dwg scale: 1:300	Rev: _____
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FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES136**  
SHEET 1612 OF 1985

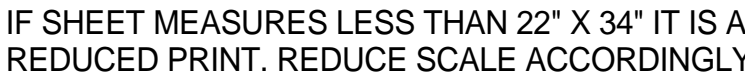
BUL-03 Revision

PRICING ONLY

Turner DC #029 PCO #104  
Received by Turner Construction via RFP 013 2/26/14

PRICING ONLY

BUL-03 Revision 1



FORT IRWIN  
CALIFORNIA  
FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS  
SACRAMENTO, CALIFORNIA

ELLERBE BECKETT  
 RLF  
A JOINT VENTURE

145 Lincoln Avenue  
Winter Park, Florida 32789  
407 647 1039

1001 G Street NW, Ste 1000  
Washington, DC 20001  
202 654 3300

Designed by: RULJ	Date: 02/12/2008, 2011	Rev.
Drawn by: RULJ	Spec No: 1186	
Reviewed by: KLM	Spec file no: 238-25-521	Drawing Code:
Submitted by: RONALD LOWRY	File name: 521_5337	
	Plot date: 1/1/10	
	Draw scale: 1 = 100	

1	SCE REQUESTED OFF-SITE ELECTRICAL CHANGES	25-34	KLM AUSTIN
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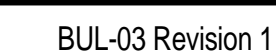






1

1 CAP CONDUITS FOR FUTURE USE.



P2-6

52

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A

P2.

**ES139**

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1	SCE REQUESTED OFFSHORE ELECTRICAL CHANGES	25-14	K1M
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DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA	 <b>ELLERBE BECKETT</b> CONSULTANTS		Designed by: R/W	Date: 02 DECEMBER, 2011	Rev.:
	Drawn by: R/W	Spec No: 1706	Drawing file no: 230-25-0021	Drawing Code:	File name: 230-25-0021
Submitted by: R/W			Project No.: 230-25-0021		

FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES140**

SHEET1614B OF 198

BUL-03 Revision 1

Technical drawing of a site plan showing a proposed road layout. The drawing includes a north arrow, a scale bar, and a key. The key indicates: 1. EXISTING ROAD, 2. EXISTING BANQUET, 3. CONCRETE PAVEMENT, 4. WORKING ROAD. The drawing shows a proposed road layout with a width of 2.5m. The road is labeled 'ES133' and 'ES142'. The drawing is oriented with North at the top.

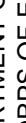
## NOTES:

- KEY NOTES** (00)
- 1 EXISTING SCE PRIMARY POWER MANHOLE.
  - 2 EXISTING SCE PRIMARY POWER DUCT BANK.
  - 3 CONNECT TO EXISTING SCE PRIMARY POWER DUCT BANK. COORDINATE ALL WORK AT CONNECTION POINT WITH SCE.



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[illegible]

 <b>ELLERBE BECKETT</b> A JOINT VENTURE		DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA		Designed by: R/LP	Date: 02 DECEMBER, 2011	Rev.
		Drawn by: R/LP	Spec No. 1176	Design file no. 2282-5261		
		Reviewed by: KLM		Drawing Code: KLM		
		Submitted by: DONALD LOWERY		File name: 2282-5261		
				Plot date: 02/02/2011		
				Draw scale: 1"=100'		

FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN

Sheet  
Reference  
Number  
**ES141**  
SHEET OF 1985

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ES141



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[illegible]

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA				A JOINT VENTURE 1001 O STREET NW, SUITE 1000 WASHINGTON, DISTRICT OF COLUMBIA 20004-3789 202.654.9300 407.647.1239	
Designed by: R/LP	Date: 12 DECEMBER, 2011	Drawn by: R/LP	Spec. No.: 1106	Design file no.: 2005-5621	Rev.:
		Reviewed by: R/LP		Drawing Code:	
Submitted by: R/LP/JOINT VENTURE		File name: 621_E1942		Plot date: 12/12/11	Draw scale: 1:30

**FORT IRWIN**

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**CALIFORNIA**

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**FORT IRWIN HOSPITAL REPLACEMENT  
ELECTRICAL SITE UTILITY PLAN**

Sheet  
Reference  
Number  
**ES142**  
SHEET OF 1985

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1. PITCH DUCT BANKS 4 INCHES/100 FEET TO DRAIN TOWARDS MANHOLES.
2. CONNECT THE #4/0 BARE COPPER GROUND CONDUCTOR TO THE GROUND RODS LOCATED IN THE MANHOLES.
3. PROVIDE DUCT SPACERS AT 5'-0" ON CENTER MAX.
4. CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
5. PROVIDE #4 REINFORCING RODS ON TOP AND BOTTOM OF DUCT BANKS 8" ON CENTER, BOTH WAYS, WHEN CROSSING OR PLACED IN ROADWAYS AND WITHIN 10' AWAY FROM A BUILDING OR MANHOLE ENTRANCE.
6. NON-FERROUS TIE WIRES TO BE IMBEDDED IN DUCT BANK CONCRETE.

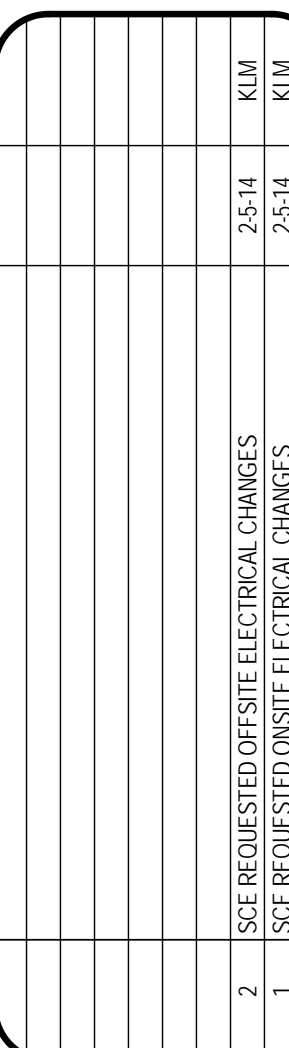
3 12-WAY DUCT BANK DETAIL  
NO SCALE




1. PITCH DUCT BANKS 4 INCHES/100 FEET TO DRAIN TOWARDS MANHOLES.
2. CONNECT THE #4/D BARE COPPER GROUND CONDUCTOR TO THE GROUND RODS LOCATED IN THE MANHOLES.
3. PROVIDE DUCT SPACERS AT 5'-0" ON CENTER MAX.
4. CONCRETE SHALL BE 3000 P.S.I. @ 28 DAYS, OR AS SPECIFIED.
5. PROVIDE #4 REINFORCING RODS ON TOP AND BOTTOM OF DUCT BANKS 8" ON CENTER, BOTH WAYS, WHEN CROSSING OR PLACED IN ROADWAYS AND WITHIN 10' AWAY FROM A BUILDING OR MANHOLE ENTRANCE.
6. NON-FERROUS TIE WIRES TO BE IMBEDDED IN DUCT BANK CONCRETE.

4 PRIMARY POWER 6-WAY DUCT BANK DETAIL  
NO SCALE

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<b>ELLERBE BECKETT</b>  1445 AVENUE OF THE SCIENCES SUITE 2700 BERKELEY, CA 94709	Designed by: RLF	Date: 02 DECEMBER, 2011	Rev.:
	Drawn by: RLF	Spec No: 1188	Design file no: 239-25-021
	Reviewed by: JAL	Drawing Code:	
	Submitted by: JAL	File name: 239-25-021	Plot name: 239-25-021

FORT IRWIN CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT

SITE DETAILS

Sheet  
Reference  
Number  
**ES506**  
SHEET 1641 OF 198

BUL-03 R2

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## GENERATOR CONTROLS DUCT BANK SCHEDULE

DUCT BANK DESIGNATION	CONDUIT SIZE AND QUANTITY	CONDUIT ROUTED FROM	CONDUIT ROUTED TO	DETAIL REFERENCE	SHEET(S) WHERE SHOWN	CONDUCTORS	
						DESCRIPTION	LOAD SERVED
G-1	(4) 4"	MASTER CONTROL CUBICLE	MANHOLE G-1	2/ES508	ES108	(4) 4" CONDUITS WITH CONDUCTORS IN 2 OF THE 4 CONDUITS. REFER TO SHEETS EP507, EP508 AND EP509 FOR ADDITIONAL INFORMATION.	ATS-TCH ATS-TCC
G-2	(4) 4"	MANHOLE G-1	MANHOLE G-2	2/ES508	ES108,ES105	(4) 4" CONDUITS WITH CONDUCTORS IN 2 OF THE 4 CONDUITS. REFER TO SHEETS EP507, EP508 AND EP509 FOR ADDITIONAL INFORMATION.	ATS-TCH ATS-TCC
G-3	(4) 4"	MANHOLE G-2	MANHOLE G-3	2/ES508	ES105	(4) 4" CONDUITS WITH CONDUCTORS IN 1 OF THE 4 CONDUITS. REFER TO SHEETS EP507, EP508 AND EP509 FOR ADDITIONAL INFORMATION.	ATS-TCH
G-4	(4) 4"	MANHOLE G-3	MANHOLE G-4	2/ES508	ES105	(4) 4" CONDUIT WITH CONDUCTORS IN 1 OF THE 4 CONDUITS. REFER TO SHEETS EP507, EP508 AND EP509 FOR ADDITIONAL INFORMATION.	ATS-TCH
G-5	(2) 4"	MANHOLE G-4	TERMINAL CABINET "ATS-TCH"	1/ES508	ES105	(2) 4" CONDUITS WITH CONDUCTORS IN 1 OF THE 2 CONDUITS. REFER TO SHEETS EP507, EP508 AND EP509 FOR ADDITIONAL INFORMATION.	ATS-TCH
G-6	(4) 4"	MANHOLE G-2	MANHOLE G-6	2/ES508	ES105	(4) 4" CONDUITS WITH CONDUCTORS IN 1 OF THE 4 CONDUITS. REFER TO SHEETS EP507, EP508 AND EP509 FOR ADDITIONAL INFORMATION.	ATS-TCC
G-7	(2) 4"	MANHOLE G-6	TERMINAL CABINET "ATS-TCC"	1/ES508	ES105	(2) 4" CONDUITS WITH CONDUCTORS IN 1 OF THE 2 CONDUITS. REFER TO SHEETS EP507, EP508 AND EP509 FOR ADDITIONAL INFORMATION.	ATS-TCC

GENERAL NOTES:

- A. BURIAL DEPTH OF PRIMARY POWER DUCT BANKS SHALL BE SUCH THAT THE DUCTS ENTER EACH MANHOLE IN THE LOWEST AVAILABLE DUCT KNOCKOUT. MINIMUM BURIAL DEPTH SHALL BE 36" BELOW FINISHED GRADE TO TOP. WHERE THE DUCT BURIAL DEPTH IS HIGHER THAN THE BURIAL DEPTH AT THE FINAL TERMINATION, THE TRANSITION FROM THE HIGHER ELEVATION TO THE FINAL TERMINATION DEPTH MUST BEGIN 200' MINIMUM FROM THE TERMINATION POINT. COORDINATE MAXIMUM CONDUIT SLOPES WITH SCE PRIOR TO TRENCHING.



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<b>DEPARTMENT OF THE ARMY</b> <b>CORPS OF ENGINEERS</b> <b>SACRAMENTO, CALIFORNIA</b>		<b>ELLERBE BECKETT</b> <b>A JOINT VENTURE</b>  140 Lincoln Avenue 1501 University Ave. Walnut Creek, CA 94597 (925) 938-2798 407-447-1038		Designed by: R/LV	Date: 02 OCT 1989, 2011	Drawn by: R/LV	Spec No: 1786	Design file no: 2582-5261	Reviewed by: K/LM	Drawing Code:  	File name: 251_5261	Plot date:  	Draw scale: 1" = 1'-0"
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FORT IRWIN  
CALIFORNIA

FORT IRWIN HOSPITAL REPLACEMENT  
SITE UTILITY SCHEDULES

Sheet  
Reference  
Number  
**ES801**

( SHEET 1648 OF 1985 )

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